

| INTERNATIONAL SEARCH REPORT | | International application No. PCT/US03/24322 |
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| A. CLASSIFICATION OF SUBJECT MATTER | | |
| IPC(7) : A01K 67/00; C12N 15/00; G01N 33/00 US CL : 800/3, 8, 18, 21 | | |
| According to International Patent Classification (IPC) or to both national classification and IPC | | |
| B. FIELDS SEARCHED | | |
| Minimum documentation searched (classification system followed by classification symbols) U.S. : 800/3, 8, 18, 21 | | |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched | | |
| Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) east medline biosis caplus | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | |
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | NEFEDOV et al. Insertion of disease-causing mutations in BACs by homologous recombination in Escherichia coli. Nucleic acids research. 2000. Vol. 28, No. 17, e79, see pages i-iv. | 1-36 |
| X | PAVAN et al. Modification and transfer into an embryonal carcinoma cell line of a 360-kilobase human-derived yeast artificial chromosome. Mol. Cell. Biology. August 1990. Vol. 10, No. 8, pg 4163-4169. See entire article. | 1-36 |
| X | WILSON et al. Yeast artificial chromosome targeting technology: an approach for the deletion of genes in the C57BL/6 mouse. Analytical Biochemistry. 2001. Vol. 296, pg 270-278. See entire article. | 1-36 |
| <input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> | | See patent family annex. |
| <p>* Special categories of cited documents:</p> <ul style="list-style-type: none"> "A" document defining the general state of the art which is not considered to be of particular relevance "B" earlier application or patent published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed | | |
| Date of the actual completion of the international search 09 January 2004 (09.01.2004) | Date of mailing of the international search report 02 JUL 2004 | |
| Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)872-9306 | Authorized officer Deborah Reynolds <i>T. Roberts for</i> Telephone No. (571) 272-1600 | |

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